In the claims:

Please **amend claims 47-58** as follows.

47. (Amended) A communication system that communicates signal bursts between at least one mobile telephone and a satellite relay station comprising:

a transmitter that transmits constant envelope modulated signal bursts from the mobile to the satellite relay station over an uplink RF channel; and

a receiver that receives linearly modulated signal bursts from the satellite relay station at the mobile telephone over a downlink RF channel.

48. (Amended) The communication system of claim 47 wherein said constant envelope modulated signal is a Gaussian Minimum Shift Keyed (GMSK) modulated signal.

49. (Amended) The communication system of claim 47 wherein said linearly modulated signal is an Offset Quadrature Phase Shift Keying (OQPSK) signal.

50. (Amended) The communication system of claim 47 wherein said constant envelope modulated signal bursts and said linearly modulated signal bursts are TDMA signal bursts.

51. (Amended) A method of communicating signal bursts between at least one mobile telephone and a satellite relay station comprising the steps of:

transmitting constant envelope modulated signal bursts from the mobile to the satellite relay station over an uplink RF channel; and

receiving linearly modulated signal bursts from the satellite relay station at the mobile telephone over a downlink RF channel.

52. (Amended) The method of claim 51 wherein said constant envelope modulated signal is a Gaussian Minimum Shift Keyed (GMSK) modulated signal.

53. (Amended) The method of claim 51 wherein said linearly modulated signal is an Offset Quadrature Phase Shift Keying (OQPSK) signal.

54. (Amended) The method of claim 51 wherein said constant envelope modulated signal bursts and said linearly modulated signal bursts are TDMA signal bursts.

55. (Amended) In a communication system that communicates signal bursts between at least one mobile telephone and a satellite relay station over uplink and downlink radio frequency (RF) channels, said mobile telephone comprising:

a transmitter for transmitting a constant envelope modulated signal to the satellite relay station over an uplink RF channel; and

a receiver for receiving a linearly modulated signal from the satellite relay station over a downlink RF channel.

56. (Amended) The mobile telephone of claim 55 wherein said constant envelope modulated signal is a Gaussian Minimum Shift Keyed (GMSK) modulated signal.

57. (Amended) The mobile telephone of claim 55 wherein said linearly modulated signal is an Offset Quadrature Phase Shift Keying (OQPSK) signal.

58. (Amended) The mobile telephone of claim 55 wherein said constant envelope modulated signal bursts and said linearly modulated signal bursts are TDMA signal bursts.